

## NON-GASOLINE BURNING OUTBOARD ENGINE (NBOE)



### DESCRIPTION

The Non-gasoline Burning Outboard Engine (NBOE) is a 55HP, electronically fuel-injected, outboard engine with multi-fuel capability that will be able to use diesel, JP-5, JP-8, and gasoline fuels with no performance reduction. This engine will allow Marines to deploy globally, using available fuels, while minimizing the safety risks and transportation restraints of current gasoline only engines. This new capability will enable the Marine Corps to comply with the single battlefield fuel initiative.

### OPERATIONAL IMPACT

The NBOE will replace the current Small Craft Propulsion System and will be used to power the CRRC during small craft operations. The NBOE will possess the necessary performance capabilities to power a combat loaded CRRC, in support

of expeditionary reconnaissance and raid missions. Typical mission profiles will consist of tactical movements of Marine reconnaissance or raiding forces from Over-The-Horizon. The NBOE will also be used in littoral operations in support of Operational Maneuver from the Sea.

### PROGRAM STATUS

The NBOE is in the system development and demonstration phase of the acquisition life cycle. The Marine Corps purchased six (6) production-like NBOE in fiscal year 2006 for testing. During fiscal year 2007-2008, Marine Corps Systems Command in conjunction with the Marine Corps Operational Test and Evaluation Activity will be conducting performance testing and Field Users Evaluation to determine its ability to meet all performance requirements. Procurement of production engines will be in mid-fiscal year 2008 based on successful evaluation/testing. Fielding of the NBOE is planned to begin in fourth quarter of fiscal year 2008 and continue to completion in fourth quarter fiscal year 2010.

<b>Procurement Profile:</b>	<b>FY2008</b>	<b>FY2009</b>
<b>Quantity:</b>	<b>0</b>	<b>585</b>

**Developer/Manufacturer:**  
Bombardier Recreational Products